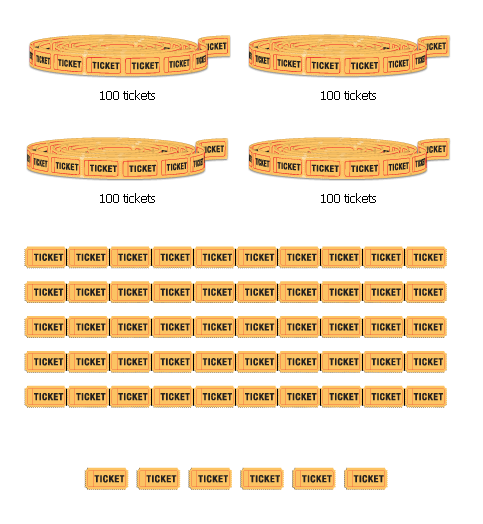
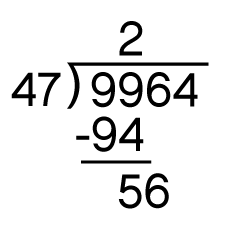
**MA.5.A.1.1**

**1)** Jasmine and her 3 friends are playing skee ball and have collected the game prize tickets shown below. If they want to divide the tickets evenly amongst themselves, which model could represent amount of tickets each will receive?



|  |  |  |
| --- | --- | --- |
|  | **A.** | http://focus.florida-achieves.com/student/images/math/5/5A11MC1_a.gif |
|  | **B.** | http://focus.florida-achieves.com/student/images/math/5/5A11MC1_b.gif |
|  | **C.** | http://focus.florida-achieves.com/student/images/math/5/5A11MC1_c.gif |
|  | **D.** | http://focus.florida-achieves.com/student/images/math/5/5A11MC1_d.gif |

**2)** Patrick started doing a long division problem as part of a homework assignment. Some of his work is shown below.  
  
What is the next step Patrick needs to do to solve this long division problem?



|  |  |  |
| --- | --- | --- |
|  | **A.** | drop the 4 down from 9964 to form 564 |
|  | **B.** | determine how many times 47 will evenly divide into 56 |
|  | **C.** | multiply 56 times 2 and subtract from 47 |
|  | **D.** | divide 2 into 47 and subtract from 56 |

**MA.5.A.1.4**

**1)** The students at Katie's school have divided themselves into teams of 12 in order to participate in a tournament. One of the teachers guesses that there are about 3,600 students in the tournament.  
What is the SMALLEST digit that can be placed in the **?** so that the resulting number is evenly divisible by 12?

http://focus.florida-achieves.com/student/images/math/5/5A14MC1.gif

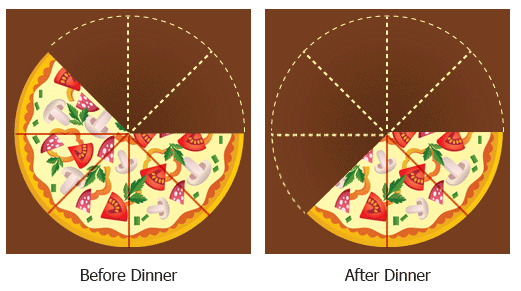
|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **A.** | |  |  | | --- | --- | | 0 |  | |
|  | **B.** | |  |  | | --- | --- | | 2 |  | |
|  | **C.** | |  |  | | --- | --- | | 4 |  | |
|  | **D.** | |  | | --- | | 8 | |  | |  | |

**2)** Sarah and 3 of her friends shared a taxi from the airport. They each contributed $30 to pay for the fare, for a total of $120. If the taxi ride costs $73, which of the following is closest to the amount each girl will get back in change?

|  |  |  |
| --- | --- | --- |
|  | **A.** | $10 |
|  | **B.** | $12 |
|  | **C.** | $43 |
|  | **D.** | $47 |

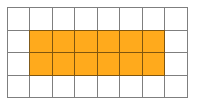
**MA.5.A.2.1**

**1)** Jack decided to have some leftover pizza for dinner. The picture below shows how much of the pizza was left before and after Jack had dinner. What fraction of the whole pizza, expressed in lowest terms, did Jack eat for dinner?



|  |  |  |
| --- | --- | --- |
|  | **A.** |  |
|  | **B.** |  |
|  | **C.** |  |
|  | **D.** |  |

**2)** Colin and his sister are cutting construction paper into smaller rectangles to use as borders in a scrapbook. The shaded figure on the grid below shows how many pieces they need for each page in the scrapbook. Colin cuts enough pieces for http://focus.florida-achieves.com/student/images/math/1_2.gifa page, and his sister cuts enough pieces for 2http://focus.florida-achieves.com/student/images/math/2_3.gif pages.  
  
Which answer choice shows a correct representation of 2http://focus.florida-achieves.com/student/images/math/2_3.gif + http://focus.florida-achieves.com/student/images/math/1_2.gif?



|  |  |  |
| --- | --- | --- |
|  | **A.** | http://focus.florida-achieves.com/student/images/math/5/5A21MC3_a.gif |
|  | **B.** | http://focus.florida-achieves.com/student/images/math/5/5A21MC3_b.gif |
|  | **C.** | http://focus.florida-achieves.com/student/images/math/5/5A21MC3_c.gif |
|  | **D.** | http://focus.florida-achieves.com/student/images/math/5/5A21MC3_d.gif |

**MA.5.A.2.2**

**1)** Jessica's mom is buying fabric for a Halloween costume. She already has 2http://focus.florida-achieves.com/student/images/math/2_3.gif yards of fabric at home, and she needs a total of 12http://focus.florida-achieves.com/student/images/math/4_5.gif yards of fabric for the costume.  
  
How much more fabric, **in yards**, will Jessica's mom need to buy in order to complete the costume?

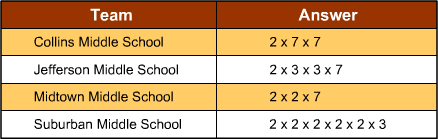
|  |  |  |
| --- | --- | --- |
|  | **A.** | 10http://focus.florida-achieves.com/student/images/math/1_15.gif |
|  | **B.** | 10http://focus.florida-achieves.com/student/images/math/2_15.gif |
|  | **C.** | 12http://focus.florida-achieves.com/student/images/math/2_15.gif |
|  | **D.** | 11http://focus.florida-achieves.com/student/images/math/8_15.gif |

**2)** Coach McGill is timing the track team as they complete a 2http://focus.florida-achieves.com/student/images/math/2_3.gif mile run. After 3 minutes, the fastest member of the team has completed http://focus.florida-achieves.com/student/images/math/5_8.gifof a mile.  
  
How far, **in miles**, does the fastest track team member have left to run in order to complete the 2http://focus.florida-achieves.com/student/images/math/2_3.gif mile run?

|  |  |  |
| --- | --- | --- |
|  | **A.** | 2http://focus.florida-achieves.com/student/images/math/1_3.gif |
|  | **B.** | 2http://focus.florida-achieves.com/student/images/math/1_24.gif |
|  | **C.** | 2http://focus.florida-achieves.com/student/images/math/3_8.gif |
|  | **D.** | 2http://focus.florida-achieves.com/student/images/math/1_16.gif |

**MA.5.A.2.4**

**1)** During the county math contest, four different middle school math teams were asked to write the prime factorization of 98 on dry-erase boards. Their answers are listed in the table below.  
  
Which school's team got the answer correct?



|  |  |  |
| --- | --- | --- |
|  | **A.** | Collins Middle School |
|  | **B.** | Jefferson Middle School |
|  | **C.** | Midtown Middle School |
|  | **D.** | Suburban Middle School |

**2)** Which of the following shows the prime factorization of 96?

|  |  |  |
| --- | --- | --- |
|  | **A.** | 2 × 3 |
|  | **B.** | 24 × 32 |
|  | **C.** | 25 × 3 |
|  | **D.** | 22 × 4 × 6 |

**MA.5.A.4.1**

**1)** Mr. Rad's class was invited to go on a field trip after school hours. Fourteen of the students in his class went on the field trip, and 6 of them were boys. The expression below can be used to find *g*, the number of girls in Mr. Rad's class that went on the field trip.  
  
**6 + *g* = 14**  
  
How many girls went on the field trip?

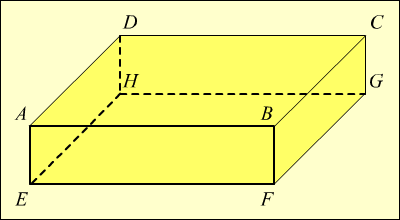
|  |  |  |
| --- | --- | --- |
|  | **A.** | 6 |
|  | **B.** | 8 |
|  | **C.** | 14 |
|  | **D.** | 20 |

**2)** Bobby swims 3 laps every day during the summer. It takes him 15 seconds to swim from the ladder to the swimming lane, and he swims for a total of 135 seconds. The expression below can be used to find *s*, the number of seconds it takes Bobby to swim each lap.  
  
**135 = 3*s* + 15**  
  
How long does it take Bobby to swim each lap?

|  |  |  |
| --- | --- | --- |
|  | **A.** | 40 seconds |
|  | **B.** | 50 seconds |
|  | **C.** | 360 seconds |
|  | **D.** | 450 seconds |

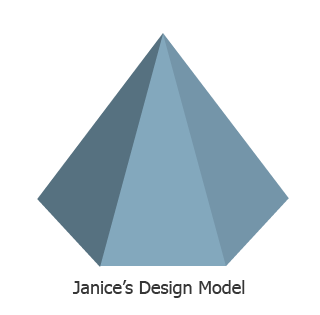
**MA.5.G.3.1**

**1)** Amy drew the rectangular prism shown below. What do the points *A, B, C,* and *D* represent in the rectangular prism?



|  |  |  |
| --- | --- | --- |
|  | **A.** | faces |
|  | **B.** | bases |
|  | **C.** | edges |
|  | **D.** | vertices |

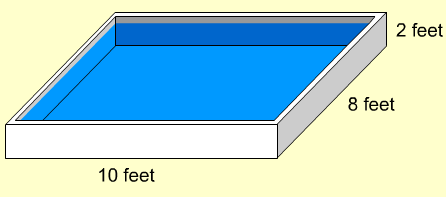
**2)** Janice is competing in a design contest and builds a model to show. Her model is a pyramid with a hexagonal base. The front view of her pyramid is shown below.  
Which of the following correctly describes the number of faces, edges, and vertices in a pyramid with a hexagonal base?



|  |  |  |
| --- | --- | --- |
|  | **A.** | 3 faces, 7 edges, 5 vertices |
|  | **B.** | 7 faces, 7 edges, 5 vertices |
|  | **C.** | 7 faces, 12 edges, 7 vertices |
|  | **D.** | 6 faces, 12 edges, 7 vertices |

**MA.5.G.3.2**

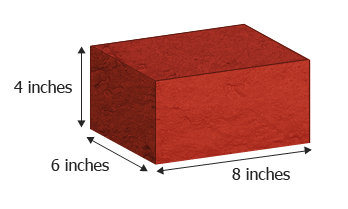
**1)** At the local athletic club, in addition to an Olympic pool, there is a wading pool for small children. The dimensions of the wading pool are shown in the diagram below.  
  
What is the volume of the wading pool?



|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **A.** | |  |  |  |  | | --- | --- | --- | --- | | 80 |  | square feet |  | |
|  | **B.** | |  |  |  |  | | --- | --- | --- | --- | | 80 |  | cubic feet |  | |
|  | **C.** | |  |  |  |  | | --- | --- | --- | --- | | 160 |  | square feet |  | |
|  | **D.** | |  |  |  | | --- | --- | --- | | 160 |  | cubic feet | |

**2)**

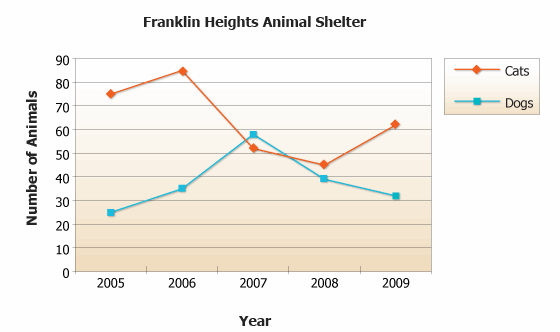
Tom's dad was building a brick pathway in their backyard. To see how much space the bricks would take up in the garage, Tom measured the volume of one of the bricks. What is the volume of the brick with the dimensions shown below?



|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **A.** | |  |  |  |  | | --- | --- | --- | --- | | 192 |  | square inches |  | |
|  | **B.** | |  |  |  |  | | --- | --- | --- | --- | | 192 |  | cubic inches |  | |
|  | **C.** | |  |  |  |  | | --- | --- | --- | --- | | 288 |  | square inches |  | |
|  | **D.** | |  |  |  | | --- | --- | --- | | 288 |  | cubic inches | |

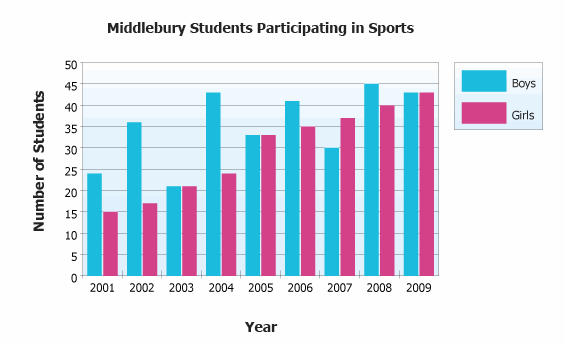
**MA.5.S.7.1**

**1)** The graph below shows the number of animals housed at the Franklin Heights Animal Shelter from 2005 to 2009. Based on the information in the graph, which statement is true?



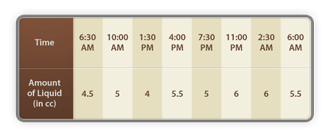
|  |  |  |
| --- | --- | --- |
|  | **A.** | In 2006, there were a total of 85 animals at the shelter. |
|  | **B.** | There were always more cats than dogs in the animal shelter. |
|  | **C.** | In 2008, there were fewer dogs at the animal shelter than cats. |
|  | **D.** | Between 2005 and 2006, the number of cats and dogs at the shelter decreased. |

**2)** The graph below shows the number of students participating in sports at Middlebury Elementary. What conclusion can be made based on the information in the graph?



|  |  |  |
| --- | --- | --- |
|  | **A.** | In 2007, more boys participated in sports than girls. |
|  | **B.** | The number of girls participating in sports decreased each year. |
|  | **C.** | In 2005, the number of boys and girls that participated in sports was equal. |
|  | **D.** | Between 2004 and 2005, the number of boys that participated in sports increased. |

**MA.5.S.7.2 1)** Mahalia volunteers at her local wild animal rescue center. Part of her job includes feeding orphaned squirrels, and she keeps track of the amount of liquid each squirrel takes in, as shown in the table below. Which answer is the best representation of one day of data for a 100 gram squirrel?



|  |  |  |
| --- | --- | --- |
|  | **A.** |  |
|  | **B.** |  |
|  | **C.** |  |
|  | **D.** |  |

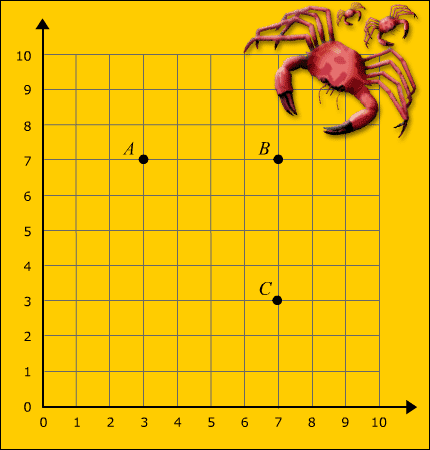
**2)** Jason is trying to determine which of two pastries sells the best on different days in his bakery. He tracks sales for a week in the table shown below. Which of the following best represents his findings?



|  |  |  |
| --- | --- | --- |
|  | **A.** |  |
|  | **B.** |  |
|  | **C.** |  |
|  | **D.** |  |

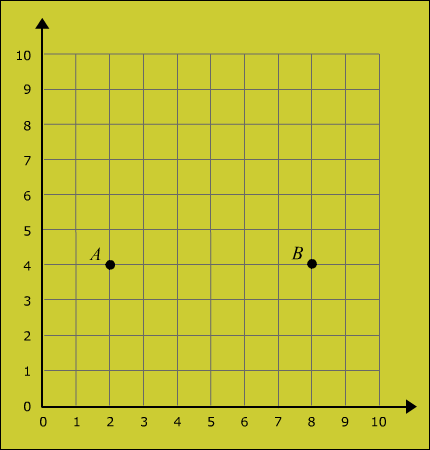
**MA.5.G.5.1**

**1)** Jose and his father are crab fishing, and have placed crab pots in three locations. Jose marked the location of the crab pots as *A, B,* and *C* on the coordinate grid below.  
  
Which ordered pair best describes the location of crab pot ***A***?



|  |  |  |
| --- | --- | --- |
|  | **A.** | (7,3) |
|  | **B.** | (7,7) |
|  | **C.** | (3,7) |
|  | **D.** | (3,3) |

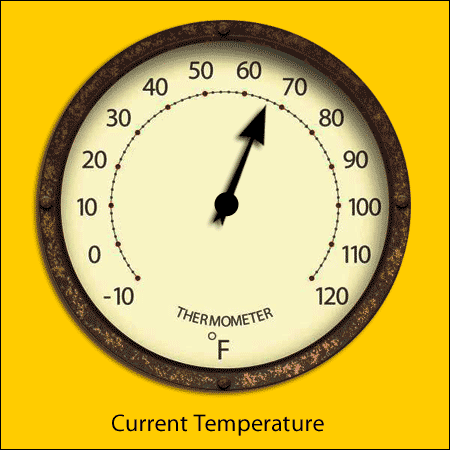
**2)** Manny plans to ride his bike along a straight path from point *A* to point *B*, shown below. He decides he will stop halfway to rest for awhile. Which ordered pair best describes the location of the point that is halfway between point *A* and point *B*?



|  |  |  |
| --- | --- | --- |
|  | **A.** | (4,5) |
|  | **B.** | (5,4) |
|  | **C.** | (4,4) |
|  | **D.** | (5,5) |

**MA.5.G.5.2**

**1)** While watching the morning news, Haley heard the weatherman say that the current temperature was 66°F and that the predicted high temperature for the day was 92°F. She looked through the window at the outdoor thermometer on her garage wall, shown below.  
  
By how many degrees must the current temperature rise in order to reach the predicted high temperature for the day?



|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **A.** | |  |  |  |  | | --- | --- | --- | --- | | 36° |  | F |  | |
|  | **B.** | |  |  |  |  | | --- | --- | --- | --- | | 34° |  | F |  | |
|  | **C.** | |  |  |  |  | | --- | --- | --- | --- | | 26° |  | F |  | |
|  | **D.** | |  |  |  | | --- | --- | --- | | 23° |  | F | |

**2)** Susan and Renee want to see an afternoon matinee at the movie theatre, which starts at the time shown on the clock below. If the movie is scheduled to run for 1 hour and 45 minutes, what time will the movie end?



|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **A.** | |  |  |  |  | | --- | --- | --- | --- | | 2:05 |  | p.m. |  | |
|  | **B.** | |  |  |  |  | | --- | --- | --- | --- | | 2:55 |  | p.m. |  | |
|  | **C.** | |  |  |  |  | | --- | --- | --- | --- | | 3:05 |  | p.m. |  | |
|  | **D.** | |  |  |  | | --- | --- | --- | | 3:25 |  | p.m. | |

**MA.5.G.5.3**

**1)** To prepare for the upcoming football practice, Coach Johnson measured the team's practice field. Which method would give Coach Johnson the most precise measurement?

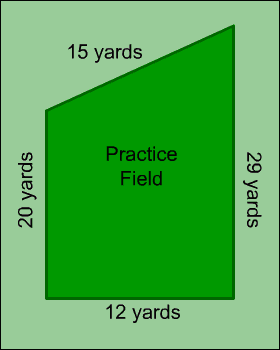
|  |  |  |
| --- | --- | --- |
|  | **A.** | Coach Johnson should measure the field to the nearest kilometer. |
|  | **B.** | Coach Johnson should measure the field to the nearest mile. |
|  | **C.** | Coach Johnson should measure the field to the nearest foot. |
|  | **D.** | Coach Johnson should measure the field to the nearest yard. |

**2)** Carmen took her dog Alex to the vet. The vet tells Carmen that Alex weighs almost as much as she does. Which of the following best describes Alex's weight?

|  |  |  |
| --- | --- | --- |
|  | **A.** | 35 ounces |
|  | **B.** | 35 milligrams |
|  | **C.** | 35 tons |
|  | **D.** | 35 kilograms |

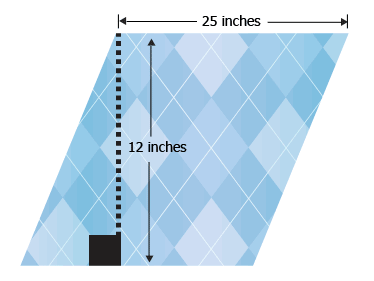
**MA.5.G.5.4**

**1)** A groundskeeper uses a riding lawn mower to mow the grass on the softball team's practice field. The practice field is shown below.  
  
What is the area of the practice field?



|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **A.** | |  |  |  |  | | --- | --- | --- | --- | | 76 |  | square yards |  | |
|  | **B.** | |  |  |  |  | | --- | --- | --- | --- | | 294 |  | square yards |  | |
|  | **C.** | |  |  |  |  | | --- | --- | --- | --- | | 240 |  | square yards |  | |
|  | **D.** | |  |  |  | | --- | --- | --- | | 368 |  | square yards | |

**2)** Ladawna and Michael want to build a kite to go fly at the park. Ladawna cuts a piece of ribbon to use as the tail for the kite while Michael cuts a parallelogram out of a piece of fabric to make the body of the kite, as shown below.  
  
What is the area of the parallelogram-shaped fabric Ladawna and Michael use to make their kite?



|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **A.** | |  |  |  |  | | --- | --- | --- | --- | | 74 |  | square inches |  | |
|  | **B.** | |  |  |  |  | | --- | --- | --- | --- | | 100 |  | square inches |  | |
|  | **C.** | |  |  |  |  | | --- | --- | --- | --- | | 150 |  | square inches |  | |
|  | **D.** | |  |  |  | | --- | --- | --- | | 300 |  | square inches | |

**MA.5.A.6.2**

**1)** Theresa wanted to find the height of her school's flagpole in inches. Theresa is 5 feet and 2 inches tall. She estimated that the flagpole was about 10 times her height, so she created the formula below to find the flagpole's height.  
  
**height = (12 x 5 + 2) x 10**  
  
Using Theresa's formula, what is the height, **in inches**, of the flagpole?

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **A.** | |  |  |  |  | | --- | --- | --- | --- | | 80 |  | inches |  | |
|  | **B.** | |  |  |  |  | | --- | --- | --- | --- | | 840 |  | inches |  | |
|  | **C.** | |  |  |  |  | | --- | --- | --- | --- | | 602 |  | inches |  | |
|  | **D.** | |  |  |  | | --- | --- | --- | | 620 |  | inches | |

**2)** William bought 36 donuts for his company's morning and afternoon meetings. There will be 8 company employees and 4 clients at each meeting. He also gives the 3 donuts to the company secretaries. He wants to find out how many donuts will be left over at the end of the day, assuming each person eats only one donut.  
  
Using the expression below, what is the number of donuts left over at the end of the day?  
  
**36 - (8 + 4) x 2 – 3**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **A.** | |  |  | | --- | --- | | 6 |  | |
|  | **B.** | |  |  | | --- | --- | | 9 |  | |
|  | **C.** | |  |  | | --- | --- | | 33 |  | |
|  | **D.** | |  | | --- | | 45 | |

**MA.5.A.6.3**

**1)** In the town of Mayfield, the precipitation totals are set to zero at the beginning of each year. Because of a drought early in the year, the totals on March 31st were below normal at -27 inches. The next three months were very rainy, and by July 1st the precipitation totals averaged 13 inches.  
  
How much rain, **in inches**, did Mayfield get from April 1st through June 30th?

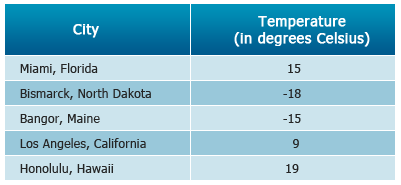
|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **A.** | |  |  |  |  | | --- | --- | --- | --- | | -40 |  | inches |  | |
|  | **B.** | |  |  |  |  | | --- | --- | --- | --- | | -14 |  | inches |  | |
|  | **C.** | |  |  |  |  | | --- | --- | --- | --- | | 14 |  | inches |  | |
|  | **D.** | |  |  |  | | --- | --- | --- | | 40 |  | inches | |

**2)** About 27% of the country of the Netherlands is below sea level. The lowest point in the Netherlands, Prince Alexander Polder, lies 7 meters below sea level. Mount Vaals, the highest point in the country, is at 323 meters above sea level.  
  
What is the difference in elevation, **in meters**, between the Prince Alexander Polder and Mount Vaals?

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **A.** | |  |  |  |  | | --- | --- | --- | --- | | 316 |  | meters |  | |
|  | **B.** | |  |  |  |  | | --- | --- | --- | --- | | 330 |  | meters |  | |
|  | **C.** | |  |  |  |  | | --- | --- | --- | --- | | 423 |  | meters |  | |
|  | **D.** | |  |  |  | | --- | --- | --- | | 646 |  | meters | |

**MA.5.A.6.4**

**1)** The following table lists the average low temperature for the month of January for five cities in the US. Based on the data shown in the table, which of the following orders the cities from **lowest to highest** temperature?



|  |  |  |
| --- | --- | --- |
|  | **A.** | Miami, Bismarck, Bangor, Los Angeles, Honolulu |
|  | **B.** | Bismarck, Bangor, Los Angeles, Miami, Honolulu |
|  | **C.** | Los Angeles, Miami, Bangor, Bismarck, Honolulu |
|  | **D.** | Bangor, Bismarck, Los Angeles, Miami, Honolulu |

**2)** Katie's teacher drew the number line shown below on the blackboard.  
  
Which of the following statements is true?

http://focus.florida-achieves.com/student/images/math/5/5A64MC2.gif

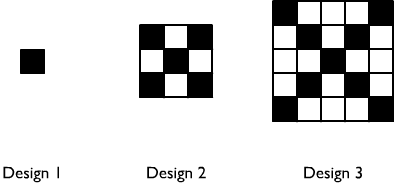
|  |  |  |
| --- | --- | --- |
|  | **A.** | -4 < -8 |
|  | **B.** | 7 < -3 |
|  | **C.** | -10 < -1 |
|  | **D.** | 5 < -2 |

**MA.5.A.6.5**

**1)** Matilda takes a taxi from her home to the doctor, which is 5 miles away. Matilda has $25 when she leaves her house, and the taxi charge is $4 plus $3 for each mile. How much money will Matilda have left after her taxi ride?

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **A.** | |  |  | | --- | --- | | $6 |  | |
|  | **B.** | |  |  | | --- | --- | | $10 |  | |
|  | **C.** | |  |  | | --- | --- | | $18 |  | |
|  | **D.** | |  | | --- | | $19 | |

**2)** Lars is making a design with black and white square tiles. The first 3 designs are shown below. If Lars continues this pattern, how many black tiles will he use to make a design that has a total of 49 black and white tiles?



|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **A.** | |  |  | | --- | --- | | 7 |  | |
|  | **B.** | |  |  | | --- | --- | | 13 |  | |
|  | **C.** | |  |  | | --- | --- | | 20 |  | |
|  | **D.** | |  | | --- | | 24 | |